E&MJ METAL AND MINERAL MARKETS

Weekly Market Information Issued by the Publishers of Engineering and Mining Journal

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NPA Zinc Directive for Accepting Rated Orders

The National Production Authority issued Order M-9 on Nov. 18 governing the placing, acceptance and scheduling of rated defense orders in zinc and zinc products. The directive, similar to earlier orders on steel and aluminum, fixes the "lead time" on zinc to 30 days before the first of the month in which shipment of a "DO" order is requested.

Producers of zinc, zinc dust and zinc oxide will not be asked to accept priority orders in any one month which take more than 10% of their total scheduled monthly production of these items.

Fabricators may reject priority orders for zinc products calling for shipment in any one month of more than the following percentages of their average monthly shipments in the first eight months of 1950: Zinc-base alloys, 20%; sheet zinc, strip (ribbon), wire, rod, rolled, drawn, extruded and plate, 15%.

Dealers, unless specifically directed, are not required to accept priority orders for monthly shipments of more than 15% of all the zinc, zinc dust, zinc oxide, and zinc products available to them during that month.

A producer is defined in the order as any person producing zinc, zinc dust, or zinc oxide, and any person having zinc produced for him under a toll agreement.

Dealer means any person who regularly receives physical delivery of zinc or zinc products and sells or holds same for resale without change in form.

Toll agreement means an agreement by which title to the zinc or zinc products remains vested in a person other than the one processing such material.

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South Africa's Manganese

Production of manganese ore in South Africa in the eight months ended August totaled 367,040 tons. Sales in the Jan.-Aug. period amounted to 362,388 tons.

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Steel Rate Unchanged

The operating rate of the steel industry for the week beginning Nov. 20 was estimated at 102.7% of capacity, unchanged from that of the preceding week, the American Iron and Steel Institute reports.

NPA Readying Conservation Orders for Copper and Zinc—Cobalt Use Cut 70%

Producers and consumers of copper and zinc last week were concerned with developments in Washington that point to early action in reducing civilian consumption of these metals. The orders now in preparation will follow the pattern set by aluminum. Cobalt was dealt with sharply in that the leading supplier was ordered to deliver only 30% of average monthly consumption to the civilian market. The tin conference in Geneva collapsed and prices again moved over a wide range. The American Zinc, Lead & Smelting Co. announced that it will raise its price of cadmium 15c. to $2.55 on commercial shapes, effective Dec. 1. Higher prices prevailed last week in quicksilver, manganese ore, several grades of chrome ore, and tungsten ore.

Copper

Use of copper in civilian products will be cut 25 to 30%, Administrator Harrison told representatives of the brass and wire industry. The cutback will match the defense requirements.

There has been no slackening in the demand for copper. Sales by producers for November shipment to fabricators now total around 107,000 tons, with December at 47,000 tons. The quotation was maintained at 24½c., delivered.

Despite growing difficulty in obtaining export licenses, business was noted in the foreign division of the market on the basis of 24½c., f.a.s. New York.

Imports of refined copper into the United States in September amounted to 24,204 tons, making the total for the nine months ended September 245,332 tons. Imports of blister copper in September came to 26,390 tons, making the Jan.-Sept. total 156,037 tons.

Lead

Demand for lead was active. Sales for last week totaled 14,051 tons, which compares with 11,836 tons in the previous week. The domestic market remains firm at 17c., New York, and 16.80c., St. Louis.

Export business was noted at prices ranging from 17½c. to 18c. per pound, f.a.s. Gulf ports.

Domestic refineries delivered 62,139 tons of lead to consumers in October, against 55,888 tons (revised) in September. Production during October totaled 54,122 tons, against 49,358 tons (revised) in September. Stocks of refined lead in the hands of producers at the end of October amounted to 59,854 tons, against 61,042 tons (revised) a month previous.

Shipments of automotive replacement batteries in October totaled 3,019,000, a new high, which compares with 2,825,000 (revised) in September and 2,573,000 in October a year ago, according to Dun & Bradstreet. The report, a preliminary estimate, is based on data supplied by 35 producers.

Zinc

At meetings held in Washington during the last week it was made quite clear that distribution of zinc for the civilian economy would be cut back by about 30% of the monthly average of the first six months of 1950. Members of the industry who suggested that NPA should set up an allocations system were informed that so drastic a step is not required under prevailing conditions. The price was maintained by producers on the basis of 17½c. for Prime Western, East St. Louis.

In the export division, the quotation on the common grade was nominal at 22c., per pound, f.a.s. Gulf ports.

Inland Steel Co. announced last week that it has cut back its production of galvanized sheets because of the zinc shortage, "aggravated by the Government's stockpiling." Galvanizing operations are being curtailed in other directions.

Mine output of zinc in the United States during September totaled 54,260 tons of recoverable metal, against 56,114 tons (revised) in August.

Cobalt

Distribution of cobalt for civilian consumption was restricted for November to 30% of average monthly consumption of the metal in the first six months of the current year, in an interim order issued by NPA on Nov. 21. The action came in a directive to the sole importer, African Metals, Inc. The order replaces

(Continued on page 5)

Kennecott Copper Corporation
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E&MJ
METAL AND MINERAL
MARKETS

Weekly Market Information
Issued by the Publishers of
Engineering and Mining Journal
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E&MJ Metal and Mineral Markets is published each Thursday with a daily quotation for copper, lead, zinc, tin, and silver. Commodities that change price infrequently are quoted at weekly or monthly intervals, according to their importance. Official weekly and calendar weekly averages, also monthly averages, are published for copper, lead, zinc, tin, and silver in the United States market.

Tin Conference Stalled

The United Nations conference on tin to discuss the problems of the industry and, if desirable, conclude an international commodity agreement, ended Nov. 21 in what was described as another deadlock, according to advices from Geneva. The basis for the discussions was a draft regulation agreement drawn up at the Paris meeting of the Tin Study Group last March.

Fixing of minimum and maximum prices for stabilizing the market proved to be the main stumbling block. Import and export quotas and stockpiling caused a wide divergence in the views entertained by those present.

Representatives of the United States maintained at the outset that they regarded the conference as premature. Clarence Nichols, speaking for the United States, said the tin situation was such that a control agreement would tend to aggravate the world shortage in the metal. Production has been declining, he said, and the price has increased by more than 50%. In these circumstances, he said, a control agreement is not urgent. A surplus problem in tin is not in sight.

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Dedicate Garfield Refinery

The new electrolytic copper refinery of Kennecott, constructed at Garfield, Utah, at a cost of $16,000,000, was dedicated officially Nov. 15. Louis Buchman, general manager of the company's western operations, was the principal speaker.

Harry Shaw, refinery superintendent, disclosed that production in September totaled 2,613 tons, in October 7,008 tons, and output in the current month will approach 10,500 tons. Capacity of the plant is 12,000 tons a month. The refinery employs 700 men.

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American Metal Co. Lifts Special Shapes Premiums

Effective Nov. 15, the American Metal Co. announced a new schedule of premiums for copper cast in special shapes and produced at its Carteret, N. J., refinery. Owing to a general rise in labor and raw material costs, the revised schedule calls for an average increase in premiums of about 30%. This marks the first change since 1948.

Base prices, as usual, obtain on regular wirebars and ingothars.

In reference to cathodes, the allowance continues at $2.50 per ton.

Premiums or differentials on special shapes as listed in the revised schedule are:

Ingots, 22 lb., $2.50 per ton.

Billets, $27 to $30 per ton, according to size.

Vertically cast cakes, $10 to $24 per ton, according to size.

Special size VC cakes, $20.50 to $26.50 per ton.

Oxygen-free high conductivity copper: Wirebars, $29 per ton; cakes, $32.50 per ton; billets, $29 to $32, depending on diameter.

Cropped ends, billets and wirebars, $10 per ton.

Silver-bearing wirebars, cakes, and billets, with silver as specified by purchaser, $60 per ton, plus the value of silver contained.

Certified OFHC, in wirebars, cakes and billets, $50 per ton.

Tellurium in wirebars, cakes and billets, either phosphorized or regular, $60 per ton, plus value of tellurium contained.

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Copper Cities Mining Co.

Copper Cities Mining Co., a wholly-owned subsidiary of Miami Copper Co., has completed negotiations for a loan from the RFC to be used in developing and bringing to production a copper property in the Globe-Miami district of Arizona.

The deposit, comparable in size and grade with Castle Dome, will be developed as an open pit mine. Capacity will be about 12,000 tons of ore a day, or 45,000,000 lb. of copper a year. The plan contemplates use of the Castle Dome concentrator and mining equipment.

U.S. Lead Imports

Lead imports of the United States in September and nine months ended September, according to the Bureau of the Census, in tons:

	Sept. 1950	Jan.-Sept. 1950
Ore, matte, etc., (content):		
Canada	296	7,078
Mexico	230	3,107
El Salvador	65	337
Guatemala	...	100
Honduras	11	323
Bolivia	775	7,136
Chile	186	3,350
Ecuador	...	300
Peru	512	10,801
Union of So. Africa	...	16,791
Philippines	20	765
Australia	...	9,613
Other countries	80	711
Total	2,155	49,720
Base bullion (content):		
Guatemala	...	330
Australia	...	2,300
Japan	55	921
Other countries	...	51
Total	55	3,513
Pigs and bars:		
Canada	10,543	66,962
Mexico	12,410	167,277
Peru	825	23,386
Germany	4,700	8,043
Netherlands	37	357
United Kingdom	5	49
Yugoslavia	6,132	31,442
Japan	134	5,145
Australia	3,350	13,861
Other countries	1	39
Total	38,143	315,475
Lead scrap, drum, etc. (content)	573	17,631
Antimonial lead and type-metal (content)	515	6,084

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Replacement Battery Shipments

Estimated total industry shipments of automotive replacement batteries by United States manufacturers during 1949 and ten months of 1950, by months, according to the business information division of Dun & Bradstreet.

	1949	1950
January	1,343,000	1,167,000
February	826,000	1,174,000
March	960,000	1,191,000
April	499,000	915,000
May	683,000	1,116,000
June	1,050,000	1,[illegible]
July	1,837,000	2,[illegible]
August	2,648,000	2,639,000
September	2,788,000	(a) 2,325,000
October	2,573,000	2,019,000
November	2,132,000	.....
December	1,694,000	.....
Total	18,342,000	.....

(a) Revised

Canadian manufacturers shipped 168,500 batteries in October, which compares with 197,000 in September and 132,000 in October 1949.

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Aluminum Wrought Products

Shipments of aluminum wrought products in September totaled 165,851,000 lb., against 169,062,000 lb. in August, the Bureau of the Census reports. Shipments in the Jan.-Sept. period totaled 1,224,011,000 lb., against 878,110,000 lb. in the same period a year ago.

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(Continued from page 1)

an emergency measure issued a week ago that froze all sales pending study of the supply situation in this highly strategic metal. A directive for December is expected shortly.

Tin

The move to establish an international control agreement under the auspices of the United Nations ended in failure. Meeting in Geneva since Oct. 23, the conference "unofficially" ended Nov. 17. As expected, delegates representing the United States objected to the fixing of minimum and maximum prices under prevailing conditions. Objections were raised by producing countries to quotas and the indefinite stockpile program.

The price situation last week remained confused. On average, quotations in New York were lower than in the preceding week.

Standard tin on the London Metal Exchange, first session, was quoted daily, per long ton, as follows:

	Standard Tin Spot	3-Months
Nov. 16	£1,020	£963
Nov. 17	£985	£940
Nov. 20	£1,027	£955
Nov. 21	£1,125	£1,055
Nov. 22	£1,090	£1,015

Daily quotations on 99% tin, New York, tin content, were nominally as follows: Nov. 16th, $1.31; 17th, $1.31; 18th, 1.31; 20th, $1.351; 21st, $1.43; 22d $1.371c.

Quicksilver

The price situation in quicksilver remained confused, owing to the fact that virtually no round-lot business has come to the surface since the Spanish producer lifted its selling basis of $85 per flask, f.o.b. port of shipment. Though this is equivalent to $107.50 per flask, the New York market was quotable at $103 to $105 per flask, depending on seller and quantity involved. This compares with $95 to $98 per flask in the previous week.

Silver

The market for silver was unchanged last week, continuing on the basis of 90c. an ounce troy, New York. The undertone was firm.

London also was unchanged at 70d. an ounce troy.

United States Gold Price

The price paid by the United States Treasury for gold purchased by the mints continued at $35 per troy ounce of fine gold, less ¼ of 1 percent.

Actual payment by the United States Treasury for gold in imported and domestic ore or concentrate is at 99.75 percent of the price quoted by the Treasury, which at present is equal to $34.9125 per ounce.

Foreign Exchange

Foreign currencies, in addition to the daily quotation on sterling checks given in the table on this page, were quoted on in terms of dollars as follows:

	Demand
Mexico (silver peso)	11.00c.
Canada (dollar) (a)	96¾p.

(a) Selling basis, N. Y.

Sterling exchange futures, 60-day and 90-day, nominal.

London cables and checks quoted on even basis throughout week.

Official London Prices

The following delivered quotations have been fixed by the Ministry of Supply for the United Kingdom:

	Per Long Ton £	s.	d.
COPPER			
Electrolytic, high conductivity	202	0	0
Fire refined, high conductivity	202	0	0
Fire refined, high grade	201	10	0
Fire refined, min. 99.1 percent	201	0	0
Fire refined, min. 98.2 percent	200	10	0
Hot rolled black wire rods, English	200	0	0
LEAD			
Soft, foreign duty paid	136	0	0
Soft, Empire	136	0	0
English, refined	137	10	0
ZINC			
Foreign (G.o.b.) duty paid	151	0	0
Domestic (G.o.b.)	151	0	0
Prime Western and delcuseed	151	0	0
Refined and electrolytic	153	0	0
Minimum 99.99 percent	151	0	0

DAILY PRICES OF METALS (E & M J Quotations)

Nov.	Electrolytic Copper Domestic Refinery	Electrolytic Copper Export Refinery	Straits Tin, New York	Lead New York	Lead St. Louis	Zinc East St. Louis
16	24.200	24.425	132.000	17.000	16.800	17.500
17	24.200	24.425	132.000	17.000	16.800	17.500
18	No Market	24.425	132.000	17.000	16.800	17.500
20	24.200	24.425	136.500	17.000	16.800	17.500
21	24.200	24.425	144.000	17.000	16.800	17.500
22	24.200	24.425	138.500	17.000	16.800	17.500
Average	24.200	24.425	135.833	17.000	16.800	17.500

Average prices for calendar week ended Nov. 18 are: Domestic copper f.o.b. refinery, 24.200c.; export copper f.o.b. refinery 24.425c.; Straits tin 134.583c.; New York lead, 17.000c.; St. Louis lead, 16.800c.; St. Louis zinc, 17.500c.; and silver 90.000c.

The above quotations are our appraisal of the major United States markets, based on sales reported by producers and operators. They are reduced to the basis of cash, New York or St. Louis, as noted. All prices are in cents per pound.

Copper, lead and zinc quotations are based on sales for both prompt and future delivories; tin quotations are for prompt delivery only.

In the trade, domestic copper prices are quoted on a delivered basis, that is, delivered at consumers' plants. As delivery charges vary with the destination, the figures shown above are net prices at refineries on the Atlantic seaboard. Delivered prices in New England average 0.300c. per pound above refinery basis.

Our export quotation for copper refinery prices obtaining in the open market and is based on sales in the foreign market reduced to the f.o.b. refinery equivalent, Atlantic seaboard. On f.a.s. transactions we deduct 0.075c. for lighterage, etc., to arrive at the f.o.b. refinery quotation.

Quotations for copper are for the ordinary forms of wirebars and ingot bars. For standard ingots an extra 0.067c. per pound is charged; for slabs 0.125c. up, and for cakes 0.25c. up, depending on weight and dimensions; for billets an extra 1.00c. up, depending on dimensions and quality. Cathodes in standard sizes are sold at a discount of 0.100c. to 0.10c. per pound.

Quotations for zinc are for ordinary Prime Western brands. Premiums obtaining over Prime Western zinc in the East St. Louis market on the following grades, in cents per pound: Special 0.10c.; Brass Special, 0.20c.; Intermediate, 0.5c; High Grade zinc sold on contract, delivered in the East and Middle West, commands a premium of 1.10c. per pound over the East St. Louis basis for Prime Western; on Special High Grade the premium or differential is 1.30c. per pound.

Quotations for lead refiner prices obtained for common lead only. The differential on zinc in the Chicago district is 10 points under New York, for New England add 7½ points to the New York basis. Controlling grade commands a premium over common lead of 10 points.

Silver, Gold, and Sterling Exchange

Nov.	Sterling Exchange "Checks"	Silver New York	Silver London	Gold London
16	$2.80	80	70d.	248s.
17	2.80	80	70d.	248s.
18	Not Quoted			
20	2.80	80	70d.	248s.
21	2.80	80	70d.	248s.
22	2.80	80	70d.	248s.

Average silver, 80.000c.; Sterling Exchange 280.000c.

The daily New York silver quotation reported by Handy & Harman is for silver contained in new and other unrefined silver-bearing materials, in cents and one-eighth cent fractions per troy ounce. It is determined by Handy & Harman on the basis of actual sales of bar silver .999 fine in amounts of 50,000 ounces or more for nearby delivery at New York, and is usually one-quarter cent below the price paid for such bar silver, the reduction being allowance for carrying, delivering, and marketing. In addition to foreign silver, the quotations also apply to domestic and Treasury silver if such silver enters the New York market.

The Treasury's purchase price of newly mined domestic silver was established at 90.5c. per troy ounce, 1000 fine, effective on July 1, 1946 under an amendment to the Silver Purchase Act of July 6, 1939.

London silver quotations are in pence per troy ounce, basis .999 fine.

London gold quotations are per troy ounce, basis 1000 fine.

Sterling quotations represent the demand market to the treasury. For premium on cables see Foreign Exchange.

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Miscellaneous Metals

Quotations cover wholesale lots, f.o.b. New York, unless otherwise specified.

ALUMINUM—Per lb., base price, f.o.b. shipping point: 30 lb. ingot, 99% plus, 18c., in pigs, 18c.

Base prices on aluminum ingot of higher purity: 99.75%, 19½c.; 99.8%, 20c.; 99.85%, 21c.; 99.9%, 22c.

ANTIMONY—Per lb., 99.6% grade:

	Domestic, (a) Boxed, New York	Domestic, (b) Bulk, Laredo
Nov. 16	35.280	32.000
Nov. 17	35.280	32.000
Nov. 18	35.280	32.000
Nov. 20	35.280	32.000
Nov. 21	35.280	32.000
Nov. 22	35.280	32.000

(a) Boxed (224 lb.); 10,000 lb. or more but less than a carload, ex store, New York area.
(b) In bulk, carload lots, f.o.b. Laredo, Texas; in cases one-half cent extra.

BERYLLIUM—Per lb., f.o.b. producer's plant: Technical pebbles, $65; Premium pebbles, $85. Technical grade, lump, $95 in lots of 1 lb. or more.

BISMUTH—Per lb., in ton lots, $2.25.

CADMIUM—Per lb. Commercial sticks, wholesale quantities, delivered:

Nov. 16	$2.40
Nov. 17	$2.40
Nov. 18	$2.40
Nov. 20	$2.40
Nov. 21	$2.40
Nov. 22	$2.40

COBALT—Per lb., 97@99 percent, $1.80 for 500 lb. (bbl.); $1.82 for 100 lb. (case); $1.87 under 100 lb.

GERMANIUM—Per lb. $180.

MAGNESIUM—Per lb., f.o.b. producer's plant, ingots (4x18 in.), 99.8 percent, carload lots, 24½c.; 100 lb. or more, l.c.l., 26½c. Extruded sticks, carload lots, 32½c.; 100 lb. or more, l.c.l. 34½c.

NICKEL—Per lb., electrolytic cathodes, f.o.b. Port Colborne, Ont., contract price, 46c., U.S. import duty included. Nickel oxide sinter, 44½c. per lb. of nickel content, f.o.b. Copper Cliff.

PALLADIUM—Per oz. troy, $24.

PLATINUM—Per oz. troy, $90 on wholesale lots; $93 on sales to consumers.

QUICKSILVER—Per flask of 76 lb., $103@$105.

SELENIUM—Per lb. $3.00@$3.50 for black, powdered, 99.5 percent pure.

TUNGSTEN—Per lb., 98.8 percent minimum, 1,000 lb. lots, $3.40. Hydrogen reduced tungsten, 99.9 percent plus $5.00, nominal.

Quotations on other miscellaneous metals appeared in Nov. 16 issue.

Metallic Ores

Prices in tons of 2,000 lbs., or in "units" of 20 lb., unless otherwise stated.

ANTIMONY ORE—Per unit of antimony contained, 50 to 55 percent, $4.10@$4.30; 58 to 60 percent, $4.25@$4.40; 60 to 65 percent, $4.75@$5.00.

CHROME ORE—Per long ton, dry basis, subject to penalties if guarantees are not met, f.o.b. cars New York, Philadelphia, Baltimore, etc.

Indian and Rhodesian:	
48% Cr_2O_3, 3 to 1 ratio, lump	$35.00@$36.00
48% Cr_2O_3, 2.8 to 1 ratio	$32.50
48% Cr_2O_3, no ratio	$25.00
South African (Transvaal):	
48% Cr_2O_3, no ratio	$27
45% Cr_2O_3, no ratio	$26
Turkish:	
48% Cr_2O_3, 3 to 1 ratio, lump	$42@$43
Brazilian:	
44% CrO_3, 3.5 to 1 ratio, lump	(a) $31.00

(a) Nominal.

MANGANESE ORE—Tonnage moving into the country on old contracts was placed at prices ranging from 79.8c. to 81.8c. per long ton unit, 48% Mn, c.i.f., duty paid. On current business, nearby arrivals, quotations nominal at 86c. to 90c. per long ton unit, c.i.f., duty for account of buyer. High grade ore commands a premium.

TUNGSTEN ORE—Per short ton unit of WO_3, ore of known good analysis: Foreign ore, $33@$34 in bond, equivalent to $39@$40 at prevailing duty. Domestic scheelite, f.o.b. mine, $39.50.

Quotations on other ores appeared in Nov. 16 issue.

Rolled Metals, Etc.

BRASS—Cents per lb. (base prices)

	Sheet	Wire	Rods
Yellow Brass	36.86	37.15	a31.26
Best quality brass	38.07	38.36	37.76
Red brass 80%	38.12	38.33	37.81
Red brass 85%	38.54	38.41	38.23
Com'l bronze	39.48	39.77	39.17
Gilding metal	39.91	40.20	39.60

(a) Free cutting

CADMIUM—Per lb. Special shapes, to platers, $2.65.

COPPER—Per lb. Sheets, over 20 in. wide, 39.93c.; rolls 20 in. and under, 37.96c.; Wire, bare, carload lots, f.o.b. mills 29.67c.

LEAD SHEETS—Per lb., full rolled, 140 sq. ft. 22c.

ZINC—Per lb., carload lots, f.o.b. mill (base price): Sheet 23½c.; ribbon 22½c.; plates 23½@24c., depending on size.

Metallic Compounds

ARSENIOUS OXIDE (arsenic trioxide), refined, white minimum 99 percent—Per lb., 6c., in barrels, carload lots, delivered.

COBALT OXIDE—Metallurgical grade, 72% Co, per lb. of Co contained, $1.85, f.o.b. Niagara Falls. Ceramic grade, 70 to 71% Co, per lb., $1.38 east of Mississippi; $1.40½ west of Mississippi.

COPPER SULPHATE—Per lb., in carload lots, 8.95c., large or small crystals, f.o.b. N. Y.

Alloys

BERYLLIUM-COPPER—Master alloy, 4 percent beryllium, remainder copper, 5 lb. ingot, $1.56 per pound of alloy; 3 oz. ingot, $2.00.

FERROCHROMIUM—Per lb. of Cr: High carbon (4 to 9% C) 65 to 69% Cr, lump, carloads, delivered Eastern zone, 21½c.

FERROMANGANESE—Per gross ton, 78@82 percent, $185, seaboard.

FERROMOLYBDENUM, Etc.—Per lb. of Mo contained, f.o.b., shipping point: Ferromolybdenum, 55@65 percent Mo $1.22; calcium molybdate ($CaO\ MoO_3$), $1.00; molybdic trioxide (MoO_3), $1.04.

FERROTUNGSTEN—Per lb. of W contained, 75@80 percent W, $2.40.

FERROVANADIUM—Per lb. of V contained, delivered, $3.00@$3.25.

FERROPHOSPHORUS—Per gross ton, 18 percent P, $58.50; electrolytic, 24 percent, $75, f.o.b. Alabama and Tennessee.

FERROSILICON—Per lb. of contained Si, Eastern zone: 50% grade, 12c.; 75% grade, 14.3c.

FERROTITANIUM—Per lb. of Ti contained, 20 to 25% max. 0.10% carbon, $1.40.

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Quotations on non-metallic minerals appeared in Nov. 9 issue.

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Beryllium Alloy Higher

Effective Nov. 15, the Beryllium Corp., Reading, Pa., raised its prices on beryllium-copper and beryllium-aluminum alloys, owing to higher costs. Beryllium-copper master alloy, the company announced, is now quoted on the basis of per pound of alloy instead of the beryllium content. The new price of beryllium-copper master alloy, basis 4% beryllium content, in 5-lb. ingots, is $1.56 per pound of alloy; 3-oz. ingot, $2.00.

Beryllium-aluminum, 5-lb. ingot, $60 per pound of beryllium plus the market price of the aluminum contained at time of shipment.

Beryllium-nickel, 1,000 lb. or more, $2.70 per pound for 5-lb. ingot, and $2.76 for 3-oz. ingot.

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Malayan Tin Exports

During October, Malaya exported 5,979 long tons of tin, against 6,597 tons in September. Shipments to the United States in October amounted to 2,477 tons, against 2,170 tons in the preceding month.

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Secondary Lead in August

Receipts of purchased lead-base scrap in August totaled 42,582 tons, of which battery plates accounted for 21,420 tons, the Bureau of Mines reports. Consumption totaled 44,293 tons, of which 22,122 tons was battery scrap.

Tri-State Concentrates

Joplin, Mo., Nov. 18, 1950

Blende	Per Ton
Prime coarse (jig and table 60% zinc)	$115.00
Flotation, 60% zinc	$115.00
Galena	
Coarse and flotation, 80% lead	$218.42

The price situation in the Tri-State market for zinc concentrate was unchanged during the week, the settling basis holding at $115 per ton for prime and flotation.

Galena was unchanged at $218.42 per ton.

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Aluminum Ingot Prices

Remelted aluminum ingot prices, in lots of 30,000 lb. or more, delivered, cents per pound:

Piston No. 122, 31c.; No. 12 Alloy, 30½c.; Deoxidizing, Grade 1, 32c.; Grade 2, 31c.; Grade 3, 30c.; and Grade 4, 29½c.

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Brass and Bronze Ingot

85-5-5-5 (No. 115) 39c.; 80-10-10 (No. 305) 35c.; 88-10-2 (No. 215) 44½c.; Yellow, 25½c.

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Smelters' Copper Scrap Prices

Custom smelters' nominal buying prices for scrap, carload lots, refinery:

No. 1 heavy copper and wire, 21½c.; No. 2 heavy copper and wire, 20½c.; Light copper, 19½c.; refinery brass, 20c.

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Dealers' Scrap Prices

Dealers' buying prices, f.o.b. New York or equivalent freight points, for wholesale quantities in cents per lb.

No. 1 copper wire	24½@24¾
Heavy copper & wire, mixed	22½@22¾
Light copper	21@21½
No. 1 composition	18½@19
Composition turnings	18½@18¾
Cocks and faucets	16½@17
Light brass	11½@12
Yellow brass turnings, mix.	13@13½
Heavy yellow brass, mixed	13½@13¾
Auto radiators, unsweated	15½@15¾
Brass pipe, cut	17½@18
Red brass turnings, No. 1	17½@18
Red ends, brass	17½@18
New soft brass clips	18½@19
Cast aluminum, mixed	15@15½
Aluminum pistons, clean	15@15½
Aluminum crankcases	15@15½
Aluminum clips, new soft	18@18½
Sheet aluminum, old clean	14@14½
Duralumin clips, new	15@15½
Aluminum turnings, clean	12@13
Zinc die cast, mixed	8½@9
Zinc die cast, new	11@11½
Old zinc	10½@11
New zinc clips	14@14½
Soft or hard lead	14½@14¾
Battery plates	8½@9
Babbitt mixed	12½@13
Linotype or stereotype	14½@14¾
Electrotype	13@13½
Solder joints clean cut	18½@19
Block tin pipe	92@94
No. 1 pewter	65@67
Autobearing babbitt	52@54
Monel clips, new	25@27
Monel sheet, clean	22@24
Monel turnings	20@22
Nickel clips, new	60@65
Nickel anodes, cast	60@65

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From Morenci come ores unusually free of impurities. Fire refining these ores gives the quality product—P.D.M. Fire Refined Copper—for use in brass mills and foundries in making high grade products.

Typical Analysis

Copper	99.93%
Arsenic	.0008
Antimony	.0003
Lead	.0001
Selenium & Tellurium (combined)	.0068

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